

# SCORE Search Results Details for Application 10552515 and Search Result 20081001\_124542\_us-10-552-515-2.rni.

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<a href="#">Page</a>	<a href="#">List</a>	<a href="#">Overview</a>	<a href="#">FAQ</a>	<a href="#">Suggestions</a>

This page gives you Search Results detail for the Application 10552515 and Search Result 20081001\_124542\_us-10-552-515-2.rni.

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OM nucleic - nucleic search, using sw model

Run on:                   October 1, 2008, 12:45:55 ; Search time 1156 Seconds  
(without alignments)  
19177.014 Million cell updates/sec

Title:                   US-10-552-515-2  
Perfect score:       3308  
Sequence:           1 aaaagatagatcctgctcca.....acctggtgaccttcgaatgt 3308

Scoring table:       IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched:           9553280 seqs, 3350760028 residues

Total number of hits satisfying chosen parameters:       19106560

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :           Issued\_Patents\_NA:\*  
1:   /ABSS/Data/CRF/ptodata/2/ina/1\_COMB.seq:\*  
2:   /ABSS/Data/CRF/ptodata/2/ina/5\_COMB.seq:\*  
3:   /ABSS/Data/CRF/ptodata/2/ina/6A\_COMB.seq:\*  
4:   /ABSS/Data/CRF/ptodata/2/ina/6B\_COMB.seq:\*  
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6:   /ABSS/Data/CRF/ptodata/2/ina/7B\_COMB.seq:\*  
7:   /ABSS/Data/CRF/ptodata/2/ina/7C\_COMB.seq:\*  
8:   /ABSS/Data/CRF/ptodata/2/ina/HA\_COMB.seq:\*  
9:   /ABSS/Data/CRF/ptodata/2/ina/HB\_COMB.seq:\*  
10:   /ABSS/Data/CRF/ptodata/2/ina/PCTUS\_COMB.seq:\*  
11:   /ABSS/Data/CRF/ptodata/2/ina/PP\_COMB.seq:\*  
12:   /ABSS/Data/CRF/ptodata/2/ina/RE\_COMB.seq:\*  
13:   /ABSS/Data/CRF/ptodata/2/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result	% Query						Description
	No.	Score	Match	Length	DB	ID	
c	1	461	13.9	13243	6	US-10-741-601-5735	Sequence 5735, Ap
	2	461	13.9	14172	6	US-10-741-601-5626	Sequence 5626, Ap
	3	460.6	13.9	101046	6	US-10-741-601-5689	Sequence 5689, Ap
	4	325.6	9.8	3052	5	US-10-342-887-1730	Sequence 1730, Ap
	5	301.6	9.1	3898	3	US-10-104-047-604	Sequence 604, App
	6	286.6	8.7	2736	3	US-10-104-047-571	Sequence 571, App
	7	252.6	7.6	2118	5	US-10-108-260A-2040	Sequence 2040, Ap
	8	239.2	7.2	2158	5	US-10-108-260A-1547	Sequence 1547, Ap
	9	216.2	6.5	1282	3	US-09-270-767-13982	Sequence 13982, A
	10	170.8	5.2	2293	3	US-10-104-047-1146	Sequence 1146, Ap
c	11	157.2	4.8	2371	7	US-10-100-683-1599	Sequence 1599, Ap
	12	157.2	4.8	2371	7	US-11-001-793-1599	Sequence 1599, Ap
	13	128.6	3.9	201	6	US-10-741-601-19564	Sequence 19564, A
	14	125	3.8	969	3	US-09-188-930-11	Sequence 11, Appl
	15	125	3.8	969	3	US-09-312-283C-11	Sequence 11, Appl
	16	121.8	3.7	656	3	US-09-270-767-30062	Sequence 30062, A
	17	104	3.1	1803	3	US-09-774-528-294	Sequence 294, App
	18	104	3.1	1803	3	US-10-120-988-294	Sequence 294, App
	19	71.8	2.2	842	3	US-09-154-750A-72	Sequence 72, Appl
	20	70.2	2.1	571	3	US-09-270-767-187	Sequence 187, App
c	21	70.2	2.1	571	3	US-09-270-767-15469	Sequence 15469, A
	22	66	2.0	653	3	US-09-533-559-5580	Sequence 5580, Ap
	23	66	2.0	653	5	US-10-653-047-5580	Sequence 5580, Ap
	24	61	1.8	2846	7	US-09-815-264-90691	Sequence 90691, A
	25	60.8	1.8	201	6	US-10-741-601-23608	Sequence 23608, A
	26	58.2	1.8	7218	2	US-08-232-463-14	Sequence 14, Appl
	27	56.8	1.7	1926	3	US-09-249-585A-4	Sequence 4, Appli
	28	56.8	1.7	1931	2	US-09-130-114-2	Sequence 2, Appli
	29	56	1.7	1146	3	US-09-270-767-624	Sequence 624, App
	30	56	1.7	1146	3	US-09-270-767-15906	Sequence 15906, A
c	31	55.6	1.7	3453	3	US-10-101-464A-861	Sequence 861, App
	32	55.4	1.7	58408	7	US-09-815-264-81539	Sequence 81539, A
	33	55.2	1.7	125401	5	US-10-203-295-35	Sequence 35, Appl
	34	55	1.7	1320	3	US-09-902-540-8133	Sequence 8133, Ap
	35	55	1.7	3024	3	US-09-902-540-1868	Sequence 1868, Ap
	36	55	1.7	7000	3	US-09-902-540-833	Sequence 833, App
	37	54.8	1.7	8139	7	US-09-815-264-76095	Sequence 76095, A
	38	54.6	1.7	45894	7	US-09-815-264-59758	Sequence 59758, A
	39	53.8	1.6	1476	3	US-09-434-288-12	Sequence 12, Appl
	40	53.8	1.6	9233	7	US-09-815-264-81152	Sequence 81152, A
c	41	53.6	1.6	988	7	US-09-815-264-45142	Sequence 45142, A
	42	53.6	1.6	6365	7	US-09-815-264-75605	Sequence 75605, A
	43	53.4	1.6	1344	6	US-10-369-493-37428	Sequence 37428, A
	44	53	1.6	1277	3	US-09-536-977-49	Sequence 49, Appl
	45	52.4	1.6	1277	3	US-09-536-977-51	Sequence 51, Appl

## ALIGNMENTS

RESULT 1

US-10-741-601-5735

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; Sequence 5735, Application US/10741601
; Patent No. 7306913
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001500
; CURRENT APPLICATION NUMBER: US/10/741,601
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 26415
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5735
; LENGTH: 13243
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(13243)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-2)
US-10-741-601-5735
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Query Match		13.9%; Score 461; DB 6; Length 13243;							
Best Local Similarity		100.0%; Pred. No. 1.5e-87;							
Matches	461;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
Qy	2848	AGCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC	2907						
Db	7463	AGCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC	7522						
Qy	2908	GCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCTCCTGAGCCCTGCGAGCAGC	2967						
Db	7523	GCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCTCCTGAGCCCTGCGAGCAGC	7582						
Qy	2968	GTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTTGTGCCTCA	3027						
Db	7583	GTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTTGTGCCTCA	7642						
Qy	3028	TCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCCTCAGAGCGCCTGTCA	3087						
Db	7643	TCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCCTCAGAGCGCCTGTCA	7702						
Qy	3088	CTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCCTGCTCCCA	3147						
Db	7703	CTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCCTGCTCCCA	7762						
Qy	3148	GACATAAGCCCAAGGGGGCCCTGCACCCAAGGGACCCTGTCCCTCGGTGGCCTCCCCAGG	3207						
Db	7763	GACATAAGCCCAAGGGGGCCCTGCACCCAAGGGACCCTGTCCCTCGGTGGCCTCCCCAGG	7822						
Qy	3208	CCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCCTCGCCGCCCTGGC	3267						
Db	7823	CCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCCTCGCCGCCCTGGC	7882						

Qy 3268 CACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 3308  
|||||  
Db 7883 CACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 7923

RESULT 2

US-10-741-601-5626  
; Sequence 5626, Application US/10741601  
; Patent No. 7306913  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001500  
; CURRENT APPLICATION NUMBER: US/10/741,601  
; CURRENT FILING DATE: 2003-12-22  
; NUMBER OF SEQ ID NOS: 26415  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 5626  
; LENGTH: 14172  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(14172)  
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-2)  
US-10-741-601-5626

Query Match 13.9%; Score 461; DB 6; Length 14172;  
Best Local Similarity 100.0%; Pred. No. 1.5e-87;  
Matches 461; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2848 AGCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC 2907  
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Db 2831 AGCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC 2890

Qy 2908 GCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCTCCTGAGCCCTGCGAGCAGC 2967  
|||||  
Db 2891 GCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCTCCTGAGCCCTGCGAGCAGC 2950

Qy 2968 GTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTTGTGCCTCA 3027  
|||||  
Db 2951 GTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTTGTGCCTCA 3010

Qy 3028 TCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCCTCAGAGCGCCTGTCA 3087  
|||||  
Db 3011 TCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCCTCAGAGCGCCTGTCA 3070

Qy 3088 CTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCCTGCTCCCA 3147  
|||||  
Db 3071 CTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCCTGCTCCCA 3130

Qy 3148 GACATAAGCCCAAGGGGCCCCTGCACCCAAGGGACCCTGTCCCTCGGTGGCCTCCCCAGG 3207  
|||||  
Db 3131 GACATAAGCCCAAGGGGCCCCTGCACCCAAGGGACCCTGTCCCTCGGTGGCCTCCCCAGG 3190

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Qy      3208 CCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCCTCGCCGCCCCTGGC 3267
          |||
Db      3191 CCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCCTCGCCGCCCCTGGC 3250

Qy      3268 CACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 3308
          |||
Db      3251 CACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 3291
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RESULT 3

US-10-741-601-5689/c

; Sequence 5689, Application US/10741601

; Patent No. 7306913

; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001500

; CURRENT APPLICATION NUMBER: US/10/741,601

; CURRENT FILING DATE: 2003-12-22

; NUMBER OF SEQ ID NOS: 26415

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 5689

; LENGTH: 101046

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc\_feature

; LOCATION: (1)...(101046)

; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-2)

US-10-741-601-5689

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Query Match          13.9%;  Score 460.6;  DB 6;  Length 101046;
Best Local Similarity 99.8%;  Pred. No. 2.9e-87;
Matches 460;  Conservative 1;  Mismatches 0;  Indels 0;  Gaps 0;
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Qy      2848 AGCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC 2907
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Db      97821 AGCTCAGCTCCCACTGGACACCCTTCACRGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC 97762

Qy      2908 GCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCTCCTGAGCCCTGCGAGCAGC 2967
          |||
Db      97761 GCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCTCCTGAGCCCTGCGAGCAGC 97702

Qy      2968 GTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTTGTGCCTCA 3027
          |||
Db      97701 GTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTTGTGCCTCA 97642

Qy      3028 TCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCCTCAGAGCGCCTGTCA 3087
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Db      97641 TCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCCTCAGAGCGCCTGTCA 97582

Qy      3088 CTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCCTGCTCCCA 3147
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Db      97581 CTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCCTGCTCCCA 97522
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Qy      3148 GACATAAGCCCAAGGGGGCCCCTGCACCCAAGGGACCCTGTCCCTCGGTGGCCTCCCCAGG 3207
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Db      97521 GACATAAGCCCAAGGGGGCCCCTGCACCCAAGGGACCCTGTCCCTCGGTGGCCTCCCCAGG 97462

Qy      3208 CCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCCTCGCCGCCCCTGGC 3267
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Db      97461 CCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCCTCGCCGCCCCTGGC 97402

Qy      3268 CACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 3308
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Db      97401 CACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 97361
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RESULT 4

US-10-342-887-1730

; Sequence 1730, Application US/10342887

; Patent No. 7171311

; GENERAL INFORMATION:

; APPLICANT: Dai, Hongyue

; APPLICANT: He, Yudong

; APPLICANT: Linsley, Peter S.

; APPLICANT: Mao, Mao

; APPLICANT: Roberts, Christopher J.

; APPLICANT: Van 't Veer, Laura Johanna

; APPLICANT: Van de Vijver, Marc J.

; APPLICANT: Bernards, Rene

; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients

; FILE REFERENCE: 9301-188-999

; CURRENT APPLICATION NUMBER: US/10/342,887

; CURRENT FILING DATE: 2003-01-15

; PRIOR APPLICATION NUMBER: 60/298,918

; PRIOR FILING DATE: 2001-06-18

; PRIOR APPLICATION NUMBER: 60/380,710

; PRIOR FILING DATE: 2002-05-14

; PRIOR APPLICATION NUMBER: 10/172,118

; PRIOR FILING DATE: 2002-06-14

; NUMBER OF SEQ ID NOS: 2699

; SEQ ID NO 1730

; LENGTH: 3052

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-342-887-1730

Query Match 9.8%; Score 325.6; DB 5; Length 3052;  
Best Local Similarity 55.1%; Pred. No. 5.7e-59;  
Matches 759; Conservative 0; Mismatches 589; Indels 30; Gaps 5;

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Qy      1235 AGACATAACCCACGCAGGAAGTGTGTGGCAGCAAGGACAGCTTCGAGATGTGCCCACCTTTG 1294
          | ||| ||| ||| ||||| | | ||| || ||||| |||||
Db           7 AAACATCCCCAGCATGGAGATGTGTGACCAGAGACACAATATCACCATGTGCCCGCTTTG 66

Qy      1295 CCTCGA---CTGCCCTTTCTGGCTGCTCTCCAGCGCCTGTGCCCTGGCCCAGGCCGCGCCG 1351
          | | | ||| | ||| | | | |||| ||| ||||| ||| |||
Db           67 CGACAAGACCTGCAGCTACTGGAAGATGAGCTCAGCCTGCGCCACGGCCCGCGCCAGCCA 126
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Qy	1352	GCTGTTTCGACCACGGCGGCACCGTGTTCTTCAGCTTGTTTCATGGCACTGTGGGCCGTGCT	1411
Db	127	CCTCTTCGACAACCCCGCCACGGTCTTCTTCTGTCTTCATGGCCCTCTGGGCTGCCAC	186
Qy	1412	GCTGCTGGAGTACTGGAAGCGGAAGAGCGCCACGCTGGCCTACCGCTGGGACTGCTCTGA	1471
Db	187	CTTCATGGAGCACTGGAAGCGGAAACAGATGCGACTCAACTACCGCTGGGACCTCACGGG	246
Qy	1472	CTACGAGGACACTGAGGAG-----AGGCCTCGGCCCCAGTTTGCCGCCTCAGC	1519
Db	247	CTTTGAAGAGGAAGAGGAGGCTGTCAAGGATCATCCTAGAGCTGAATACGAAGCCAGAGT	306
Qy	1520	CCCCATGACAGCCCCGAACCCCATCACGGGTGAGGACGAGCCCTACTTCCCTGAGAGGAG	1579
Db	307	CTTGAGAAGTCTCTGAAGAAAGAGTCCAGAAACAAAGAGACTGACAAAGTGAAGCTGAC	366
Qy	1580	CCGCGCGCGCCGCATGCTGGCCGG-----CTCTGTGGTGATCGTGGTGATGGTGGC	1630
Db	367	ATGGAGAGATCGGTTCCAGCCTACCTCACTAACTTGGTCTCCATCATCTTCATGATTGC	426
Qy	1631	CGTGGTGGTCATGTGCCTCGTGTCTATCATCCTGTACCGTGCCATCATGGCCATCGTGGT	1690
Db	427	AGTGACGTTTGCCATCGTCCTCGGCGTCATCATCTACAGGATCTCCATGGCCGCCGCCTT	486
Qy	1691	GTCCAGGTCGGGCAACACCCTTCTCGCAGCCTGGGCCTCTCGCATCGCCAGCCTCACGGG	1750
Db	487	GGCCATGAACCTCCTCCCCCTCCGTGCGGTCCAACATCCGGGTACAGTCACAGCCACCGC	546
Qy	1751	GTCTGTAGTGAACCTCGTCTTCATCCTCATCCTCTCCAAGATCTATGTATCCCTGGCCCA	1810
Db	547	GGTCATCATCAACCTAGTGGTCATCATCCTCCTGGACGAGGTGTATGGCTGCATAGCCCG	606
Qy	1811	CGTCCTGACACGATGGGAAATGCACCGCACCCAGACCAAGTTCGAGGACGCCTTCACCCT	1870
Db	607	ATGGCTCACCAAGATCGAGGTCCCAAAGACGGAGAAAAGCTTTGAGGAGAGGCTGATCTT	666
Qy	1871	CAAGGTGTTTCATCTTCCAGTTCGTCAACTTCTACTCCTCACCCGTCTACATTGCCTTCTT	1930
Db	667	CAAGGCTTTTCTGTGAAGTTTGTGAATTCTACACCCCATCTTTTACGTGGCGTTCTT	726
Qy	1931	CAAGGGCAGGTTTGTGGGATACCCAGGCAACTACC---ACACCTTGTTTGGAGTCCGCAA	1987
Db	727	CAAAGGCCGGTTTGTGGACGCCGGGCGACTACGTGTACATTTTCCGTTCTTCCGAAT	786
Qy	1988	TGAGGAGTGCGCGGCTGGAGGCTGCCTGATCGAGCTGGCACAGGAGCTCCTGGTCATCAT	2047
Db	787	GGAAGAGTGTGCGCCAGGGGCTGCCTGATGGAGCTATGCATCCAGCTCAGCATCATCAT	846
Qy	2048	GGTGGGCAAGCAGGTCATC---AACAAACATGCAGGAGTCTCATCCCGAAGCTAAAGGG	2104
Db	847	GCTGGGGAAACAGCTGATCCAGAACAACCTGTTTCGAGATCGGCATCCCGAAGATGAAGAA	906
Qy	2105	CTGGTGGCAGAAGTTCCGGCTTCGCTCCAAGAAGAGGAAGGCGGGAGCTTCTGCAGGGGC	2164
Db	907	GCTCATCCGCTACCTGAAGCTGAAGCAGCAGAGCCCCCTGACCACGAGGAGTGTGTGAA	966

Qy	2165	TAGCCAGGGGCCCTGGGAGGACGACTATGAGCTTGTGCCCTGTGAGGGTCTGTTTGACGA	2224
Db	967	GAGGAAACAGCGGTACGAGGTGGATTACAACCTGGAGCCCTTCGCGGGCCTCACCCCAGA	1026
Qy	2225	GTACCTGGAAATGGTGTGTCAGTTCGGCTTCGTCACCATCTTCGTGGCCGCCTGTCCGCT	2284
Db	1027	GTACATGGAAATGATCATCCAGTTTGGCTTCGTCACCTGTTTGTGCGCTCCTTCCCCCT	1086
Qy	2285	CGCGCCGCTCTTCGCCCTGCTCAACAACTGGGTGGAGATCCGCTTGGACGCGCGCAAGTT	2344
Db	1087	GGCCCCACTGTTTGCCTGTGCTGAACAACATCATCGAGATCCGCCTGGACGCCAAAAAGTT	1146
Qy	2345	CGTCTGCGAGTACCGGCGCCCTGTGGCCGAGCGCGCCCAGGACATCGGCATCTGGTTCCA	2404
Db	1147	TGTCCTGAGCTCCGAAGGCCGGTAGCTGTCAGAGCCAAAGACATCGGAATCTGGTACAA	1206
Qy	2405	CATCCTGGCGGGCCTCACGCACCTGGCGGTTCATCAGCAACGCCTTCCTCCTGGCCTTCTC	2464
Db	1207	TATCCTCAGAGGCATTGGGAAGCTTGCTGTCATCATCAATGCCTTCGTGATCTCCTTCAC	1266
Qy	2465	GTCCGACTTCCTGCCGCGCGCCTACTACCGGTGGACCCGCGCCACGACCTGCGCGGCTT	2524
Db	1267	GTCTGACTTCATCCCGCGCCTGGTGTACCTCTACATGTACAGTAAGAACGGGACCATGCA	1326
Qy	2525	CCTCAACTTCACGCTGGCGCGAGCCCCGTCCTCCTTCGCCGCCGCGCACAACCGCACG	2582
Db	1327	CGGCTTCGTCAACCACACCCTCTCCTCCTTCAACGTCAGTGAAGTCCAGAACGGGCACG	1384

RESULT 5

US-10-104-047-604  
; Sequence 604, Application US/10104047  
; Patent No. 6943241  
; GENERAL INFORMATION:  
; APPLICANT: HELIX RESEARCH INSTITUTE  
; TITLE OF INVENTION: No. 6943241e1 full length cDNA  
; FILE REFERENCE: H1-A0105  
; CURRENT APPLICATION NUMBER: US/10/104,047  
; CURRENT FILING DATE: 2002-03-25  
; PRIOR APPLICATION NUMBER:  
; PRIOR FILING DATE:  
; NUMBER OF SEQ ID NOS: 4096  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 604  
; LENGTH: 3898  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-104-047-604

Query Match	9.1%;	Score 301.6;	DB 3;	Length 3898;
Best Local Similarity	50.9%;	Pred. No. 7.5e-54;		
Matches	871;	Conservative	0;	Mismatches 824; Indels 15; Gaps 6;
Qy	780	GAGTACTACTCCTGCCGTTTCTAGAGTGAACAAGCTGCCACGCTTCCTCGGGAGTGACAAC	839	
Db	950	GACTGCTACACTGCCCCTTTCAGCCAGCAAAGGATCCATCACTTCATC---ATACACAAC	1006	

Qy	840	CAGGACACCTTCTTCACAAGCACCAAGAGGCACCAAATTCTGTTTGAGATCCTGGCCAAG	899
Db	1007	AAAGAAACGTTCTTCAACAATGCCACAAGAAGTAGAATCGTGCATCACATTTTACAAAGA	1066
Qy	900	ACCCCGTATGGCCACGAGAAGAAAAACCTGCTTGGGATCCACCAGCTGCTGGCAGAGGGT	959
Db	1067	ATAAAATATG---AAGAAGGAAAAACAAGATTGGTCTGAATCGTTTGCTTACCAATGGC	1123
Qy	960	GTCCTCAGTGCCGCCTTCCCCCTGCATGACGGCCCCCTTCAAGACGCCCCCAGAGGGCCCCG	1019
Db	1124	TCCTATGAAGCTGCGTTTCCCCTGCATGAGGGAAGTTATAGAAGTAAAAACTCCATTCTGA	1183
Qy	1020	CAGGCTCCACGCCTCAACCAGCGCCAAGTCCTTTTCCAGCACTGGGCGCGCTGGGGCAAG	1079
Db	1184	ACCCATGGAGCAGAAAACCACCGACATCTACTCTATGAGTGCTGGGCCTCCTGGGGCGTG	1243
Qy	1080	TGGAACAAGTACCAGCCCCTGGACCACGTGCGCAGGTACTTCGGGGAGAAGGTGGCCCTC	1139
Db	1244	TGGTATAAATACCAACCTTTGGATCTTGTAAGGCGGTACTTTGGAGAGAAGATTGGGTTA	1303
Qy	1140	TACTTCGCCTGGCTCGGGTTTTACACAGGCTGGCTCCTGCCAGCGGCAGTGGTGGGCACA	1199
Db	1304	TATTTTGCCTGGTTGGGCTGGTACACCGGCATGCTCTTCCCAGCTGCCTTCATTGGATTG	1363
Qy	1200	CTGGTGTTCCTGGTGGGCTGCTTCCCTGGTGTCTCTCAGACATACCCACGCAGGAAGTGTGT	1259
Db	1364	TTTGTCTTTTTGTATGGCGTCACCACTCTGGATCACAGCCAAGTCAGTAAAGAAGTCTGC	1423
Qy	1260	GGCAGCAAGGACAGCTTCGAGATGTGCCCACTTTGCCTCGACTGCCCTTTCTGGCTGCTC	1319
Db	1424	CAAGCTACAGATATCATCATGTGTCTGTGTGATAAATACTGTCCATTCATGAGGCTG	1483
Qy	1320	TCCAGCGCCTGTGCCCTGGCCCAGGCCGCGCGCTGTTTCGACCACGGCGGCACCGTGTTC	1379
Db	1484	TCAGACAGCTGTGTATATGCCAAGGTAACCCACCTTTTGAATGGAGCCACTGTCTTC	1543
Qy	1380	TTCAGCTTGTTTCATGGCACTGTGGGCGCTGCTGCTGCTGGAGTACTGGAAGCGGAAGAGC	1439
Db	1544	TTTGCTGTTTTTCATGGCAGTCTGGGCAACAGTTTTCTGGAGTTTGGAAAAGACGGCGA	1603
Qy	1440	GCCACGCTGGCCTACCGCTGGGACTGCTCTGACTACGAGGACACTGAGGAGAGGCCTCGG	1499
Db	1604	GCAGTAATTGCTTATGACTGGGATTTGATAGACTGGGAAGAAGAGGAGGAAGAAATACGA	1663
Qy	1500	CCCCAGTTTGCCGCCTCAGCCCCCATGACAGCCC---CGAACCCCATCACGGGTGAGGAC	1556
Db	1664	CCCCAGTTTGAAGCCAAGTATTCCAAGAAAGAGCGGATGAATCCAATTTCTGGAAAGCCA	1723
Qy	1557	GAGCCCTACTTCCCTGAGAGGAGCCGCGCGCGCCGCATGCTGGCCGGCTCTGTGGTGATC	1616
Db	1724	GAACCTTATCAAGCATTTACAGATAAATGCAGCAGACTTATCGTTTCTGCATCTGGAATA	1783
Qy	1617	GTGGTGATGGTGGCCGTGGTGGTCATGTGCCTCGTGTCTATCATCCTGTACCGTGCCATC	1676
Db	1784	TTTTTTATGATCTGCGTGGTGAATTGCTGCCGTGTTTCGGGATCGTCATTTACCGGGTGGTG	1843

Qy	1677	ATGGCCATCGTGGTGTCCAGGTCGGGCAACACCCTTCTCGCAGCCTGGGCCTCTCGCATC	1736
Db	1844	ACTGTCAGCACTTTCGCTGCCTTTAAGTGGGCGTTAATCAGGAATAACTCTCAGGTTGCA	1903
Qy	1737	GCCAGCCTCACGGGGTCTGTAGTGAACCTCGTCTTCATCCTCATCCTCTCCAAGATCTAT	1796
Db	1904	ACCACAGGGACTGCTGTGTGCATCAACTTCTGTATCATTATGTTGCTGAATGTGCTCTAT	1963
Qy	1797	GTATCCCTGGCCCACGTCCTGACACGATGGGAAATGCACCGCACCCAGACCAAGTTCGAG	1856
Db	1964	GAAAAAGTTGCCCTGCTTCTGACGAATTTAGAACAGCCTCGCACAGAGTCTGAGTGGGAG	2023
Qy	1857	GACGCCTTCACCCTCAAGGTGTTTCATCTTCCAGTTTCGTCAACTTCTACTCCTCACCCGTC	1916
Db	2024	AACAGCTTCACCCTGAAAATGTTTCTTTTTCAGTTTGTCAATCTGAACAGCTCCACATTT	2083
Qy	1917	TACATTGCCTTCTTCAAGGGCAGGTTTGTGGGATACCCAGGCAACTACCACACCTTGTT-	1975
Db	2084	TACATCGCATTCTTCTCGGAAGATTTACAGGACACCCAGGTGCCTACTTGAGGCTGATA	2143
Qy	1976	--TGGAGTCCGCAATGAGGAGTGC GCGGCTGGAGGCTGCCTGATCGAGCTGGCACAGGAG	2033
Db	2144	AACAGGTGGAGACTAGAAGAGTGCCACCCTAGTGGATGCCTTATTGATCTGTGTATGCAA	2203
Qy	2034	CTCCTGGTCATCATGGTGGGCAAGCAGGTCATCAACAACATGCAGGAGGTCCTCATCCCG	2093
Db	2204	ATGGGTATTATAATGGTGCTAAAGCAGACCTGGAATAATTTTCATGGAAGTTGGCTACCCG	2263
Qy	2094	AAGCTAAAGGGCTGGTGGCAGAAGTTCCGGCTTCGCTCCAAGAAGAGGAAGGCGGGAGCT	2153
Db	2264	TTAATTCAGAATTGGTGGACTAGAAGAAAAGTACG--ACAAGAACATGGACCTGAAAGGA	2321
Qy	2154	TCTGCAGGGGCTAGCCAGGGGCCCTGGGAGGACGACTATGAGCTTGTGCCCTGTGAGGGT	2213
Db	2322	AAATAAGTTTCCCACAATGGGAAA-AGGACTATAACCTTCAGCCGATGAATGCCTATGGA	2380
Qy	2214	CTGTTTGACGAGTACCTGGAAATGGTGCTGCAGTTCGGCTTCGTCACCATCTTCGTGGCC	2273
Db	2381	CTCTTCGATGAATACTTAGAAATGATTCTTCAGTTTGATTCACAACTATCTTTGTGGCA	2440
Qy	2274	GCCTGTCCGCTCGCGCCGCTCTTCGCCCTGCTCAACAACCTGGGTGGAGATCCGCTTGAC	2333
Db	2441	GCTTTTCCCTAGCACCCTTCTGGCCTTACTGAATAACATAATTGAAATTCGACTTGAT	2500
Qy	2334	GCGCGCAAGTTCGTCTGCGAGTACCGGCGCCCTGTGGCCGAGCGCGCCCAGGACATCGGC	2393
Db	2501	GCTTACAAATTTGTCACACAGTGGAGGAGACCTTTAGCTTCAAGGGCCAAAGACATAGGA	2560
Qy	2394	ATCTGGTTCCACATCCTGGCGGGCCTCACGCACCTGGCGGTCATCAGCAACGCCTTCCTC	2453
Db	2561	ATTTGGTATGGAATCTTGAAGGCATTGGAATTCTCTCTGTTATCACAAATGCATTTGTC	2620
Qy	2454	CTGGCCTTCTCGTCCGACTTCCTGCCGCGC	2483
Db	2621	ATAGCGATAACATCTGACTTTATCCCTCGC	2650

RESULT 6

US-10-104-047-571  
; Sequence 571, Application US/10104047  
; Patent No. 6943241  
; GENERAL INFORMATION:  
; APPLICANT: HELIX RESEARCH INSTITUTE  
; TITLE OF INVENTION: No. 6943241e1 full length cDNA  
; FILE REFERENCE: H1-A0105  
; CURRENT APPLICATION NUMBER: US/10/104,047  
; CURRENT FILING DATE: 2002-03-25  
; PRIOR APPLICATION NUMBER:  
; PRIOR FILING DATE:  
; NUMBER OF SEQ ID NOS: 4096  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 571  
; LENGTH: 2736  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-104-047-571

Query Match 8.7%; Score 286.6; DB 3; Length 2736;  
Best Local Similarity 51.7%; Pred. No. 1.1e-50;  
Matches 752; Conservative 0; Mismatches 694; Indels 9; Gaps 4;

Qy	1035	AACCAGCGCCAAGTCCTTTTCCAGCACTGGGCGCGCTGGGGCAAGTGGGAACAAGTACCAG	1094
Db	31	AACCACCGACATCTACTCTATGAGTGCTGGGCCTCCTGGGGCGTGTGGTATAAATACCAA	90
Qy	1095	CCCCTGGACCACGTGCGCAGGTACTTCGGGGAGAAGGTGGCCCTCTACTTCGCCTGGCTC	1154
Db	91	CCTTTGGATCTTGTAAGGCGGTACTTTGGAGAGAAGATTGGGTTATATTTGCCTGGTTG	150
Qy	1155	GGGTTTTACACAGGCTGGCTCCTGCCAGCGGCAGTGGTGGGCACACTGGTGTTCCTGGTG	1214
Db	151	GGCTGGTACACCGGCATGCTCTTCCCAGCTGCCTTCATTGGATTGTTTGTCTTTTGTAT	210
Qy	1215	GGCTGCTTCCTGGTGTCTCTCAGACATACCCACGCAGGAAGTGTGTGGCAGCAAGGACAGC	1274
Db	211	GGCGTCACCACTCTGGATCACAGCCAAGTCAGTAAAGAAGTCTGCCAAGCTACAGATATC	270
Qy	1275	TTCGAGATGTGCCCCACTTTGCCTCGACTGCCCTTTCTGGCTGCTCTCCAGCGCCTGTGCC	1334
Db	271	ATCATGTGTCTGTGTGTGATAAATACTGTCCATTCATGAGGCTGTCAGACAGCTGTGTA	330
Qy	1335	CTGGCCCAGGCCGCGCGGCTGTTTCGACCACGGCGGCACCGTGTTCTTCAGCTTGTTTCATG	1394
Db	331	TATGCCAAGGTAACCCACCTTTTTGACAATGGAGCCACTGTCTTCTTTGCTGTTTTTCATG	390
Qy	1395	GCACTGTGGGCGGTGCTGCTGCTGGAGTACTGGAAGCGGAAGAGCGCCACGCTGGCCTAC	1454
Db	391	GCAGTCTGGGCAACAGTTTTCTGGAGTTTTGAAAAGACGGCGAGCAGTAATTGCTTAT	450
Qy	1455	CGCTGGGACTGCTCTGACTACGAGGACACTGAGGAGAGGCCTCGGCCCCAGTTTGCCGCC	1514

Db	451	GACTGGGATTTGATAGACTGGGAAGAAGAGGAGGAAGAAATACGACCCCAGTTTGAAGCC	510
Qy	1515	TCAGCCCCCATGACAGCCCC---GAACCCCATCACGGGTGAGGACGAGCCCTACTTCCCT	1571
Db	511	AAGTATTCCAAGAAAGAGCGGATGAATCCAATTTCTGAAAGCCAGAACCTTATCAAGCA	570
Qy	1572	GAGAGGAGCCGCGCGCGCCGCATGCTGGCCGGCTCTGTGGTGATCGTGGTGATGGTGGCC	1631
Db	571	TTTACAGATAAAATGCAGCAGACTTATCGTTTCTGCATCTGGAATATTTTTTATGATCTGC	630
Qy	1632	GTGGTGGTCATGTGCCTCGTGTCTATCATCCTGTACCGTGCCATCATGGCCATCGTGGTG	1691
Db	631	GTGGTGATTGCTGCCGTGTTTCGGGATCGTCATTTACCGGGTGGTGACTGTCAGCACTTTC	690
Qy	1692	TCCAGGTCGGGCAACACCCCTTCTCGCAGCCTGGGCCCTCTCGCATCGCCAGCCTCACGGGG	1751
Db	691	GCTGCCTTTAAGTGGGCGTTAATCAGGAATAACTCTCAGGTTGCAACCACAGGGACTGCT	750
Qy	1752	TCTGTAGTGAACCTCGTCTTCATCCTCATCCTCTCCAAGATCTATGTATCCCTGGCCAC	1811
Db	751	GTGTGCATCAACTTCTGTATCATTATGTTGCTGAATGTGCTCTATGAAAAAGTTGCCCTG	810
Qy	1812	GTCCTGACACGATGGGAAATGCACCGCACCCAGACCAAGTTCGAGGACGCCTTCACCCTC	1871
Db	811	CTTCTGACGAATTTAGAACAGCCTCGCACAGAGTCTGAGTGGGAGAACAGCTTCACCCTG	870
Qy	1872	AAGGTGTTTCATCTTCCAGTTCGTCAACTTCTACTCCTCACCCGTCTACATTGCCTTCTTC	1931
Db	871	AAAATGTTTCTTTTCAGTTTGTCAATCTGAACAGCTCCACATTTTACATCGCATTCTTC	930
Qy	1932	AAGGGCAGGTTTGTGGGATACCCAGGCAACTACCACACCTTGTT---TGGAGTCCGCAAT	1988
Db	931	CTCGGAAGATTTACAGGACACCCAGGTGCCTACTTGAGGCTGATAAACAGGTGGAGACTA	990
Qy	1989	GAGGAGTGC GCGGCTGGAGGCTGCCTGATCGAGCTGGCACAGGAGCTCCTGGTCATCATG	2048
Db	991	GAAGAGTGCCACCCTAGTGGATGCCTTATTGATCTGTGTATGCAAATGGGTATTATAATG	1050
Qy	2049	GTGGGCAAGCAGGTCATCAACAACATGCAGGAGGTCCTCATCCCGAAGCTAAAGGGCTGG	2108
Db	1051	GTGCTAAAGCAGACCTGGAATAATTCATGGAACCTGGCTACCCGTTAATTCAGAATTGG	1110
Qy	2109	TGGCAGAAGTTCCGGCTTCGCTCCAAGAAGAGGAAGGCGGGAGCTTCTGCAGGGGCTAGC	2168
Db	1111	TGGACTAGAAGAAAAGTACG--ACAAGAACATGGACCTGAAAGGAAAATAAGTTTCCCAC	1168
Qy	2169	CAGGGGCCCTGGGAGGACGACTATGAGCTTGTGCCCTGTGAGGGTCTGTTTGACGAGTAC	2228
Db	1169	AATGGG-AAAAGGACTATAACCTTCAGCCGATGAATGCCTATGGA CTCTTCGATGAATAC	1227
Qy	2229	CTGGA AATGGTGCTGCAGTTCGGCTTCGTCACCATCTTCGTGGCCGCCTGTCCGCTCGCG	2288
Db	1228	TTAGAAATGATTCTTCAGTTTGGATTCACTACTTTGTGGCAGCTTTTCCCCTAGCA	1287
Qy	2289	CCGCTCTTCGCCCTGCTCAACAACCTGGGTGGAGATCCGCTTGGACGCGCGCAAGTTCGTC	2348

Db	1288	CCACTTCTGGCCTTACTGAATAACATAATTGAAATTCGACTTGATGCTTACAAATTTGTC	1347
Qy	2349	TGCGAGTACCGGCGCCCTGTGGCCGAGCGCGCCCAGGACATCGGCATCTGGTTCCACATC	2408
Db	1348	ACACAGTGGAGGAGACCTTTAGCTTCAAGGGCCAAAGACATAGGAATTTGGTATGGAATT	1407
Qy	2409	CTGGCGGGCCTCACGCACCTGGCGGTCATCAGCAACGCCTTCCTCCTGGCCTTCTCGTCC	2468
Db	1408	CTTGAAGGCATTGGAATTCTCTCTGTTATCACAAATGCATTTGTCATAGCGATAACATCT	1467
Qy	2469	GACTTCCTGCCGCGC	2483
Db	1468	GACTTTATCCCTCGC	1482

RESULT 7  
US-10-108-260A-2040  
; Sequence 2040, Application US/10108260A  
; Patent No. 7193069  
; GENERAL INFORMATION:  
; APPLICANT: HELIX RESEARCH INSTITUTE  
; TITLE OF INVENTION: No. 7193069e1 full length cDNA  
; FILE REFERENCE: H1-A0106  
; CURRENT APPLICATION NUMBER: US/10/108,260A  
; CURRENT FILING DATE: 2002-03-27  
; NUMBER OF SEQ ID NOS: 5458  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2040  
; LENGTH: 2118  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-108-260A-2040

Query Match 7.6%; Score 252.6; DB 5; Length 2118;  
Best Local Similarity 54.3%; Pred. No. 1.6e-43;  
Matches 616; Conservative 0; Mismatches 489; Indels 30; Gaps 4;

Qy	841	AGGACACCTTCTTCACAAGCACCAAGAGGCACCAAATTCTGTTTGAGATCCTGGCCAAGA	900
Db	731	AGGATTCTTTTTTCGACAGCAAAACCCGGAGCACGATTGTCTATGAGATCTTGAAGAGAA	790
Qy	901	CCCCGTATGGCCACGAGAAGAAAAACCTGCTTGGGATCCACCAGCTGCTGGCAGAGGGTG	960
Db	791	CGACGTGTACAAAGGCCAAGTACAGCATG---GGCATCACGAGCCTGCTGGCCAATGGTG	847
Qy	961	TCCTCAGTGCCGCCTTCCCCCTGCATGACGGCCCCCTTCAAGACGCCCCCAGAGGGCCCGC	1020
Db	848	TGTACGCGGCTGCATACCCACTGCACGATGGAGACTACAACGGTGAAAACGTCGAGT---	904
Qy	1021	AGGCTCCACGCCTCAACCAGCGCCAAGTCCTTTTCCAGCACTGGGCGCGCTGGGGCAAGT	1080
Db	905	-----TCAACGACAGAAACTCCTGTACGAAGAGTGGGCACGCTATGGAGTTT	952
Qy	1081	GGAACAAGTACCAGCCCCTGGACCACGTGCGCAGGTACTTCGGGGAGAAGGTGGCCCTCT	1140
Db	953	TCTATAAGTACCAGCCCATCGACCTGGTCAGGAAGTATTTTGGGGAGAAGATCGGCCTGT	1012

Qy	1141	ACTTCGCCTGGCTCGGGTTTTACACAGGCTGGCTCCTGCCAGCGGCAGTGGTGGGCACAC	1200
Db	1013	ACTTCGCCTGGCTGGGCGTGTACACCCAGATGCTCATCCCTGCCTCCATCGTGGGAATCA	1072
Qy	1201	TGGTGTTCCTGGTGGGCTGCTTCCTGGTGTTCCTCAGACATAACCCACGCAGGAAGTGTGTG	1260
Db	1073	TTGTCTTCCTGTACGGATGCGCCACCATGGATGAAAACATCCCCAGCATGGAGATGTGTG	1132
Qy	1261	GCAGCAAGGACAGCTTCGAGATGTGCCACTTTGCCTCGA---CTGCCCTTTCTGGCTGC	1317
Db	1133	ACCAGAGACACAATATCACCATGTGCCCGCTTTGCGACAAGACCTGCAGCTACTGGAAGA	1192
Qy	1318	TCTCCAGCGCCTGTGCCCTGGCCCAGGCCGCGGCTGTTTCGACCACGGCGGCACCGTGT	1377
Db	1193	TGAGCTCAGCCTGCGCCACGGCCCGCGCCAGCCACCTCTTCGACAACCCCGCCACGGTCT	1252
Qy	1378	TCTTCAGCTTGTTTCATGGCACTGTGGGCCGTGCTGCTGCTGGAGTACTGGAAGCGGAAGA	1437
Db	1253	TCTTCTCTGTCTTCATGGCCCTCTGGGCTGCCACCTTCATGGAGCACTGGAAGCGGAAAC	1312
Qy	1438	GCGCCACGCTGGCCTACCGCTGGGACTGCTCTGACTACGAGGACACTGAGGAGAGGCCTC	1497
Db	1313	AGATGCGACTCAACTACCGCTGGGACCTCACGGGCTTTGAAGAGGAAGAGGATCATCCTA	1372
Qy	1498	GGCCCCAGTTTGCCGCCTCAGCCCCCATGACAGCCCCGAACCCCATCACGGGTGAGGACG	1557
Db	1373	GAGCTGAATACGAAGCCAGAGTCTTGAGAAAGTCTCTGAAGAAAGAGTCCAGAAACAAAG	1432
Qy	1558	AGCCCTACTTCCCTGAGAGGAGCCGCGCGCGCCGCATGCTGGCC-----GGCTCTG	1608
Db	1433	AGACTGACAAAGTGAAGCTGACATGGAGAGATCGGTTCCCAGCCTACCTCACTAACTTGG	1492
Qy	1609	TGGTGATCGTGGTGATGGTGGCCGTGGTGGTCATGTGCCTCGTGTCTATCATCCTGTACC	1668
Db	1493	TCTCCATCATCTTCATGATTGCAGTGACGTTTGCCATCGTCCTCGGCGTCATCATCTACA	1552
Qy	1669	GTGCCATCATGGCCATCGTGGTGTCAGGTGCGGGCAACACCCTTCTCGCAGCCTGGGCCT	1728
Db	1553	GGATCTCCATGGCCGCCGCCTTGCCATGAACTCCTCCCCCTCCGTGCGGTCCAACATCC	1612
Qy	1729	CTCGCATCGCCAGCCTCACGGGGTCTGTAGTGAACCTCGTCTTCATCCTCATCCTCTCCA	1788
Db	1613	GGGTCACAGTCACAGCCACCGCGGTCATCATCAACCTAGTGGTCATCATCCTCCTGGACG	1672
Qy	1789	AGATCTATGTATCCCTGGCCCACGTCCTGACACGATGGGAAATGCACCGCACCCAGACCA	1848
Db	1673	AGGTGTATGGCTGCATAGCCCGATGGCTACCAAGATCGAGGTCCCAAAGACGGAGAAAA	1732
Qy	1849	AGTTCGAGGACGCCCTTACCCTCAAGGTGTTTCATCTTCCAGTTCGTCAACTTCTACTCCT	1908
Db	1733	GCTTTGAGGAGAGGCTGATCTTCAAGGCTTTCCTGCTGAAGTTTGTGAATTCCTACACCC	1792
Qy	1909	CACCCGTCTACATTGCCTTCTTCAAGGGCAGGTTTGTGGGATACCCAGGCAACTA	1963
Db	1793	CCATCTTTTACGTGGCGTTCTTCAAAGGCCGCTTTGTTGGACGCCCCGGGCGACTA	1847

## RESULT 8

US-10-108-260A-1547

; Sequence 1547, Application US/10108260A

; Patent No. 7193069

; GENERAL INFORMATION:

; APPLICANT: HELIX RESEARCH INSTITUTE

; TITLE OF INVENTION: No. 7193069e1 full length cDNA

; FILE REFERENCE: H1-A0106

; CURRENT APPLICATION NUMBER: US/10/108,260A

; CURRENT FILING DATE: 2002-03-27

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; NUMBER OF SEQ ID NOS: 5458
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; SOFTWARE: PatentIn Ver. 2.1
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; SEQ ID NO 1547

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; LENGTH: 2158
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; TYPE: DNA
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; ORGANISM: Homo sapiens
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US-10-108-260A-1547

Query Match 7.2%; Score 239.2; DB 5; Length 2158;  
Best Local Similarity 52.3%; Pred. No. 1.1e-40;  
Matches 693; Conservative 0; Mismatches 568; Indels 63; Gaps 5;

**Qy**            1508 TGCCGCCTCAGCCCCCATGACAGCCCCGAACCCCATCACGGGTGAGGACGAGCCCTACTT    1567  
| | | | |         |         |         |         |         |         |         |         |  
| | | | |         |         |         |         |         |         |         |         |

Db 276 TGCCGTGTCTGAGGAGGAAATGGCACTTCAGCTCATTAAGTACCAAGCTCCG 335

Qy 1568 CCCTGAGAGGAGCCGCGCGCGCCGCATGCTGGCCGGCTCTGTGGTGATCGTGGTGATGGT 1627  
|| | | | | | | | | | | | | | | | | | | | |

Db 336 GCCATACCAGCACTCCTACCTACGCAGCACCGTCATCCTCGTCCTGACCCTGCTCATGAT 395

Qy 1628 GGCCGTGGTGGTCATGTGCCTCGTGTCTATCATCCTGTACCGTGCCATCATGGCCATCGT 1687

Db 396 CTGCCTCATGATCGGCATGGCCCACGTCCTGGTGGTCTACCGCGTCCTGGCCTCCGCGCT 455

Qy 1688 GGTGTCCAGGTCGGGCAACACCCTTCTCGCAGCCTGGGCCTCTCGCATCGCCAGCCTCAC 1747

Db 456 C TTCAGCAGCTCGGCCGTGCCCTTCCTGGAGGAGCAGGTGACCACGGCCGTGGTGGTGAC 515

Qy 1748 GGGGTCTGTAGTGAACCTCGTCTTCATCCTCATCCTCTCCAAGATCTATGTATCCCTGGC 1807

Db 516 CGGGGCTCTGGTGC ACTATGTGACCATCGTCATCATGACCAAGATCAACAGGCGCGTGGC 575

Qy 1808 CCACGTCCTGACACGATGGGAAATGCACCGCACCCAGACCAAGTTCGAGGACGCCTTCAC 1867

Db 576 CCTGAAGCTTTGTGACTTCGAGATGCCCAGGACCTTCTCGGAGCGAGAGAGCAGGTTTCAC 635

QY 1868 CCTCAAGGTGTTTCATCTTCCAGTTCGTCAACTTCTACTCCTCACCCGTCTACATTGCCTT 1927

Db 636 CATCCGCTTCTTCACACTGCAGTTCTTCACCCATTTCTCGTCTCTCATCTACATCGGCTT 695

Qy 1928 CTTCAAGGGCAGGTTTGTGGGATACCCAGGCAACTACCACACCTTGTTTGGAGTCCGCAA 1987

Db 696 CATCCTGGGCGAGGATCAACGGCCACCCCGGGGAAGTCCACGCGCCTGGCGGGCTTGTGGAA 755

Qy	1988	---TGAGGAGTGC	CGCGGCTGGAGGCTGCCTGATCGAGCTGGCACAGGAGCTCCTGGTCAT	2044
Db	756	GCTGGAAGAGTGC	CACGCCAGCGGCTGCATGATGGACCTCTTCGTGCAGATGGCCATCAT	815
Qy	2045	CATGGTGGGCAAG	CAGGTCATCAACAACATGCAGGAGGTCCTCATCCCGAAGCTAAAGGG	2104
Db	816	CATGGGCCTGAAG	CAGACGCTCAGCAACTGCGTCGAGTACCTGGTCCCGTGGGTGACCCA	875
Qy	2105	CTGGTGGCAGAA	GTTCCGGCTTCGCTCCAAGAAGAGGAAGGCGGGAGCTTCTGCAGGGGC	2164
Db	876	CAAGTGCC---	GCTCTCTGCGGGCCTCCGAGTCCGGGCACCTGCCCGGGACCCCGAGCT	932
Qy	2165	TAGCCAGGGGGCC	CTGGGAGGACGACTATGAGCTTGTGCCCTGTGAGGGTCTGTTTGACGA	2224
Db	933	CAGGGACTGGCGG	CGCAACTACCTTCTGAACCCGGTCAACACCTTCAGCCTGTTTCGACGA	992
Qy	2225	GTACCTGGAAATG	GTGCTGCAGTTCGGCTTCGTCACCATCTTCGTGGCCGCCTGTCCGCT	2284
Db	993	GTTTCATGGAGAT	GATGATCCAGTACGGCTTCACCACCATCTTCGTGGCCGCCTTCCCGCT	1052
Qy	2285	CGCGCCGCTCTTC	GCCCCTGCTCAACAACCTGGGTGGAGATCCGCTTGGACGCGCGCAAGTT	2344
Db	1053	GGCGCCGCTGCTC	GCGCTCTTCAGCAACCTCGTGGAGATCCGCCTGGACGCCATCAAGAT	1112
Qy	2345	CGTCTGCGAGTAC	CGGCGCCCTGTGGCCGAGCGCGCCCAGGACATCGGCATCTGGTTCCA	2404
Db	1113	GGTCTGGTTGCA	GCGGCGCCTGGTGCCGCGCAAGGCCAAGGACATCGGGACCTGGCTGCA	1172
Qy	2405	CATCCTGGCGGGC	CTCACGCACCTGGCGGTTCATCAGCAACGCCTTCCTCCTGGCCTTCTC	2464
Db	1173	GGTGCTGGAGACC	ATCGGTGTGCTGGCGGTTCATTGCCAATGGGATGGTCATTGCCTTCAC	1232
Qy	2465	GTCCGACTTCCTG	CCGCGCGCCTACTACCGGTGGACCCGCGCCACGACCTG-----	2516
Db	1233	ATCTGAGTTTCAT	CCCCCGAGTGGTCTACAAGTACCGCTATAGCCCATGCCTGAAAGAAGG	1292
Qy	2517	-----CGCGGCT	TCCTCAACTTCACGCTGGCGCGAGCCCCGTCTCCTTCGCCGC	2566
Db	1293	CAACTCTACTGTG	CGACTGCCTCAAGGGCTACGTCAACCACAGCCTGTCCGTCTTCCACAC	1352
Qy	2567	CGCGCACAACC---	-----GCACGTGCAGGTA	2590
Db	1353	CAAGGACTTCCAG	GACCCTGATGGGATTGAGGGCTCAGAAAACGTGACTCTGTGCAGATA	1412
Qy	2591	TCGGGCTTTCCGG	GAT---GACGATGGACATTATTCCCAGACCTACTGGAATCTTCTTGC	2647
Db	1413	CAGGGACTACCGC	AATCCCCCGATTACAACCTTCTCCGAGCAGTTCTGGTTCCTCCTGGC	1472
Qy	2648	CATCCGCCTGGCC	TTCGTCATTGTGTTTGAGCATGTGGTTTTCTCCGTTGGCCGCCTCCT	2707
Db	1473	CATCCGCCTGGCC	TTCGTCATCCTCTTTGAGCACGTGGCCTTGTGCATCAAGCTCATCGC	1532
Qy	2708	GGACCTCCTGGTG	CCTGACATCCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTA	2767
Db	1533	CGCCTGGTTTCGT	GCCCCGACATCCCTCAGTCGGTGAAGAACAAGGTTCTGGAGGTGAAGTA	1592

Qy 2768 CCTG 2771  
|||  
Db 1593 CCAG 1596

RESULT 9

US-09-270-767-13982  
; Sequence 13982, Application US/09270767  
; Patent No. 6703491  
; GENERAL INFORMATION:  
; APPLICANT: Homburger et al.  
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster  
; FILE REFERENCE: File Reference: 7326-094  
; CURRENT APPLICATION NUMBER: US/09/270,767  
; CURRENT FILING DATE: 1999-03-17  
; NUMBER OF SEQ ID NOS: 62517  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 13982  
; LENGTH: 1282  
; TYPE: DNA  
; ORGANISM: Drosophila melanogaster  
US-09-270-767-13982

Query Match 6.5%; Score 216.2; DB 3; Length 1282;  
Best Local Similarity 53.9%; Pred. No. 7.7e-36;  
Matches 496; Conservative 0; Mismatches 413; Indels 12; Gaps 2;

Qy 1587 CGCCGCATGCTGGCCGGCTCTGTGGTGATCGTGGTGATGGTGGCCGTGGTGGTCATGTGC 1646  
| | | | | | | | | | | | | | | | | | | | | |  
Db 169 CCCGCCACCGTGTTTCAGCTTTTCAGTGGTACTGCTCCTAATTGCACTGGCCTTTGTGGCA 228  
  
Qy 1647 CTCGTGTCTATCATCCTGTACCGTGCCATCATGGCCATCGTGGTGTCCAGGTCGGGCAAC 1706  
| | | | | | | | | | | | | | | | | | | | | |  
Db 229 CTGCTGGCAGTGTTGTATACCGAATGTCCATGCTGGCCGCCCTTAAAGTGGGTGCTAGT 288  
  
Qy 1707 ACCCTTCTCGCAGCCTGGGCCTCTCGCATCGCCAGCCTCACGGGTCTGTAGTGAACCTC 1766  
| | | | | | | | | | | | | | | | | | | | | |  
Db 289 CCCATGACCACCTCTAGCGCTATTGTCCTAGCCACTGCATCAGCTGCCTTTGTAAATCTG 348  
  
Qy 1767 GTCTTCATCCTCATCCTCTCCAAGATCTATGTATCCCTGGCCCACGTCTTGACACGATGG 1826  
| | | | | | | | | | | | | | | | | | | | | |  
Db 349 TGCCTGCTCTATATACTTAATTATATGTACAATCATTTGGCTGAGTACCTGACAGAGCTG 408  
  
Qy 1827 GAAATGCACCGCACCCAGACCAAGTTCGAGGACGCCTTCACCCTCAAGGTGTTTCATCTTC 1886  
| | | | | | | | | | | | | | | | | | | | | |  
Db 409 GAAATGTGGCGCACTCAAACCTCAGTTCGATGACTCGCTTACCCTTAAATTTATCTGCTG 468  
  
Qy 1887 CAGTTCGTCAACTTCTACTCCTCACCCGTCTACATTGCCTTCTTCAAGGGCAGGTTTGTG 1946  
| | | | | | | | | | | | | | | | | | | | | |  
Db 469 CAGTTTGTAAACTACTACGCCTCCATTTTTTACATAGCTTTCTTCAAGGGTAAATTCGTT 528  
  
Qy 1947 GGATACCCAGGCAACTACCACACCTTGTTTGGAGTCCGCAATGAGGAGTGCGCGGCTGGA 2006  
| | | | | | | | | | | | | | | | | | | | | |  
Db 529 GGTCAATCCGGGAGAGTATAATAAGCTTTTTGACTATCGGCAGGAGGAGTGCTCATCGGGT 588  
  
Qy 2007 GGCTGCCTGATCGAGCTGGCACAGGAGCTCCTGGTCATCATGGTGGGCAAGCAGGTCATC 2066

Db	589		648
Qy	2067	AACAACATGCAGGAGG-----TCCTCATCCCGAAGCTAAAGGGCTGGTGGCAGAAGTTC	2120
Db	649		708
Qy	2121	CGGCTTCGCTCCAAGAAGAGGAAGGCGGGAGCTTCTGCAGGGGCTAGCCAGGGGCCCTGG	2180
Db	709		768
Qy	2181	GAGGACGACTATGAGCTTGTGCCCTGTGAG-----GGTCTGTTTGACGAGTACCTGGAA	2234
Db	769		828
Qy	2235	ATGGTGCTGCAGTTCGGCTTCGTCACCATCTTCGTGGCCGCCTGTCCGCTCGCGCCGCTC	2294
Db	829		888
Qy	2295	TTCGCCCTGCTCAACAACCTGGGTGGAGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAG	2354
Db	889		948
Qy	2355	TACCGGCGCCCTGTGGCCGAGCGCGCCCAGGACATCGGCATCTGGTTCCACATCCTGGCG	2414
Db	949		1008
Qy	2415	GGCCTCACGCACCTGGCGGTCATCAGCAACGCCTTCCTCCTGGCCTTCTCGTCCGACTTC	2474
Db	1009		1068
Qy	2475	CTGCCGCGCGCCTACTACCGG	2495
Db	1069		1089

RESULT 10

US-10-104-047-1146

; Sequence 1146, Application US/10104047

; Patent No. 6943241

; GENERAL INFORMATION:

; APPLICANT: HELIX RESEARCH INSTITUTE

; TITLE OF INVENTION: No. 6943241e1 full length cDNA

; FILE REFERENCE: H1-A0105

; CURRENT APPLICATION NUMBER: US/10/104,047

; CURRENT FILING DATE: 2002-03-25

; PRIOR APPLICATION NUMBER:

; PRIOR FILING DATE:

; NUMBER OF SEQ ID NOS: 4096

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 1146

; LENGTH: 2293

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-104-047-1146

Query Match 5.2%; Score 170.8; DB 3; Length 2293;  
 Best Local Similarity 54.9%; Pred. No. 3.9e-26;  
 Matches 400; Conservative 0; Mismatches 322; Indels 6; Gaps 3;

Qy	1759	TGAACCTCGTCTTCATCCTCATCCTCTCCAAGATCTATGTATCCCTGGCCCACGTCCTGA	1818
Db	324	TCAACTTCTGTATCATTATGTTGCTGAATGTGCTCTATGAAAAAGTTGCCCTGCTTCTGA	383
Qy	1819	CACGATGGGAAATGCACCGCACCCAGACCAAGTTCGAGGACGCCTTCACCCTCAAGGTGT	1878
Db	384	CGAATTTAGAACAGCCTCGCACAGAGTCTGAGTGGGAGAACAGCTTCACCCTGAAAATGT	443
Qy	1879	TCATCTTCCAGTTCGTCAACTTCTACTCCTCACCCGTCTACATTGCCTTCTTCAAGGGCA	1938
Db	444	TTCTTTTTCAGTTTGTCAATCTGAACAGCTCCACATTTTACATCGCATTCTTCTCTCGGAA	503
Qy	1939	GGTTTGTGGGATACCCAGGCAACTACCACACCTTGTT---TGGAGTCCGCAATGAGGAGT	1995
Db	504	GATTTACAGGACACCCAGGTGCCTACTTGAGGCTGATAAACAGGTGGAGACTAGAAGAGT	563
Qy	1996	GCGCGGCTGGAGGCTGCCTGATCGAGCTGGCACAGGAGCTCCTGGTCATCATGGTGGGCA	2055
Db	564	GCCACCCTAGTGGATGCCTTATTGATCTGTGTATGCAAATGGGTATTATAATGGTGCTAA	623
Qy	2056	AGCAGGTCATCAACAACATGCAGGAGGTCCTCATCCCGAAGCTAAAGGGCTGGTGGCAGA	2115
Db	624	AGCAGACCTGGAATAATTTTCATGGAACCTGGCTACCCGTTAATTCAGAATTGGTGGACTA	683
Qy	2116	AGTTCCGGCTTCGCTCCAAGAAGAGGAAGGCGGGAGCTTCTGCAGGGGCTAGCCAGGGGC	2175
Db	684	GAAGAAAAGTACG--ACAAGAACATGGACCTGAAAGGAAAATAAGTTTCCCACAATGGG-	740
Qy	2176	CCTGGGAGGACGACTATGAGCTTGTGCCCTGTGAGGGTCTGTTTGACGAGTACCTGGAAA	2235
Db	741	AAAAGGACTATAACCTTCAGCCGATGAATGCCTATGGACTCTTCGATGAATACTTAGAAA	800
Qy	2236	TGGTGCTGCAGTTCGGCTTCGTACCATCTTCGTGGCCGCTGTCCGCTCGCGCCGCTCT	2295
Db	801	TGATTCTTCAGTTTGGATTCACAACTATCTTTGTGGCAGCTTTTCCCCTAGCACCCTTC	860
Qy	2296	TCGCCCTGCTCAACAACCTGGGTGGAGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGT	2355
Db	861	TGGCCTTACTGAATAACATAATTGAAATTCGACTTGATGCTTACAAATTTGTCACACAGT	920
Qy	2356	ACCGGCGCCCTGTGGCCGAGCGCGCCAGGACATCGGCATCTGGTTCCACATCCTGGCGG	2415
Db	921	GGAGGAGACCTTTAGCTTCAAGGGCCAAAGACATAGGAATTTGGTATGGAATTCTTGAAG	980
Qy	2416	GCCTCACGCACCTGGCGGTCATCAGCAACGCCTTCTCCTGGCCTTCTCGTCCGACTTCC	2475
Db	981	GCATTGGAATTCTCTCTGTTATCACAAATGCATTTGTCATAGCGATAACATCTGACTTTA	1040
Qy	2476	TGCCGCGC	2483
Db	1041	TCCCTCGC	1048

RESULT 11

US-10-100-683-1599

; Sequence 1599, Application US/10100683  
; Patent No. 7368531  
; GENERAL INFORMATION:  
; APPLICANT: Rosen, et al.  
; TITLE OF INVENTION: Human Secreted Proteins  
; FILE REFERENCE: PS900  
; CURRENT APPLICATION NUMBER: US/10/100,683  
; CURRENT FILING DATE: 2002-03-19  
; PRIOR APPLICATION NUMBER: US 60/040,162  
; PRIOR FILING DATE: 1997-03-07  
; PRIOR APPLICATION NUMBER: US 60/043,576  
; PRIOR FILING DATE: 1997-04-11  
; PRIOR APPLICATION NUMBER: US 60/047,601  
; PRIOR FILING DATE: 1997-05-23  
; PRIOR APPLICATION NUMBER: US 60/056,845  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: US 60/043,580  
; PRIOR FILING DATE: 1997-04-11  
; PRIOR APPLICATION NUMBER: US 60/047,599  
; PRIOR FILING DATE: 1997-05-23  
; PRIOR APPLICATION NUMBER: US 60/056,664  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: US 60/043,314  
; PRIOR FILING DATE: 1997-04-11  
; PRIOR APPLICATION NUMBER: US 60/047,632  
; PRIOR FILING DATE: 1997-05-23  
; PRIOR APPLICATION NUMBER: US 60/056,892  
; PRIOR FILING DATE: 1997-08-22  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 13468  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1599  
; LENGTH: 2371  
; TYPE: DNA  
; ORGANISM: Homo sapiens

US-10-100-683-1599

Query Match 4.8%; Score 157.2; DB 7; Length 2371;  
Best Local Similarity 61.9%; Pred. No. 3e-23;  
Matches 249; Conservative 0; Mismatches 153; Indels 0; Gaps 0;

Qy	2181	GAGGACGACTATGAGCTTGTGCCCTGTGAGGGTCTGTTTGACGAGTACCTGGAAATGGTG	2240
Db	6	GAGGTGGATTACAACCTGGAGCCCTTCGCGGGCCTCACCCCAGAGTACATGGAAATGATC	65
Qy	2241	CTGCAGTTCGGCTTCGTACCATCTTCGTGGCCGCTGTCCGCTCGCGCCGCTCTTCGCC	2300
Db	66	ATCCAGTTTGGCTTCGTACCCCTGTTTGTGCGCTCCTTCCCCCTGGCCCCACTGTTTGCG	125
Qy	2301	CTGCTCAACAACTGGGTGGAGATCCGCTTGACGCGCGCAAGTTCGTCTGCGAGTACCGG	2360
Db	126	CTGCTGAACAACATCATCGAGATCCGCCTGGACGCCAAAAGTTTGTCACTGAGCTCCGA	185

```
Qy      2361 CGCCCTGTGGCCGAGCGCGCCAGGACATCGGCATCTGGTTCCACATCCTGGCGGGCCTC 2420
      | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      186 AGGCCGGTAGCTGTCTAGAGCCAAAGACATCGGAATCTGGTACAATATCCTCAGAGGCATT 245

Qy      2421 ACGCACCTGGCGGTCATCAGCAACGCCTTCCTCCTGGCCTTCTCGTCCGACTTCCTGCCG 2480
      | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      246 GGGAAGCTTGCTGTCTCATCAATGCCTTCGTGATCTCCTTCACGTCTGACTTCATCCCG 305

Qy      2481 CGCGCCTACTACCGGTGGACCCGCGCCACGACCTGCGCGGCTTCCTCAACTTCACGCTG 2540
      | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      306 CGCCTGGTGTACCTCTACATGTACAGTAAGAACGGGACCATGCACGGCTTCGTCAACCAC 365

Qy      2541 GCGCGAGCCCCGTCCTCCTTCGCCGCCGCGCACAACCGCACG 2582
      | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      366 ACCCTCTCCTCCTTCAACGTCAGTGACTTCCAGAACGGGCACG 407
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RESULT 12

US-11-001-793-1599

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; Sequence 1599, Application US/11001793
; Patent No. 7411051
; GENERAL INFORMATION:
; APPLICANT: Rosen, et al.
; TITLE OF INVENTION: Human Secreted Proteins
; FILE REFERENCE: PS900
; CURRENT APPLICATION NUMBER: US/11/001,793
; CURRENT FILING DATE: 2004-12-02
; PRIOR APPLICATION NUMBER: US/10/100,683
; PRIOR FILING DATE: 2002-03-19
; PRIOR APPLICATION NUMBER: US 60/040,162
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: US 60/043,576
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: US 60/047,601
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: US 60/056,845
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: US 60/043,580
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: US 60/047,599
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: US 60/056,664
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: US 60/043,314
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: US 60/047,632
; PRIOR FILING DATE: 1997-05-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 13468
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1599
; LENGTH: 2371
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-001-793-1599
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Query Match 4.8%; Score 157.2; DB 7; Length 2371;  
Best Local Similarity 61.9%; Pred. No. 3e-23;  
Matches 249; Conservative 0; Mismatches 153; Indels 0; Gaps 0;

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Qy      2181 GAGGACGACTATGAGCTTGTGCCCTGTGAGGGTCTGTTTGACGAGTACCTGGAAATGGTG 2240
        ||||  || ||  | || | ||||  | ||| ||  ||||| ||||| ||  |
Db      6 GAGGTGGATTACAACCTGGAGCCCTTCGCGGGCCTCACCCCAGAGTACATGGAAATGATC 65

Qy      2241 CTGCAGTTCGGCTTCGTCACCATCTTCGTGGCCGCTGTCCGCTCGCGCCGCTCTTCGCC 2300
        | ||||| ||||| ||||| || || || ||| |||  || || || || || ||
Db      66 ATCCAGTTTGGCTTCGTCACCCCTGTTTGTGCGCTCCTTCCCCCTGGCCCCACTGTTTGCG 125

Qy      2301 CTGCTCAACAACCTGGGTGGAGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGTACCGG 2360
        ||||| |||||  | ||||| |||||  ||||| |||  |||  |||
Db      126 CTGCTGAACAACATCATCGAGATCCGCCTGGACGCCAAAAAGTTTGTCACTGAGCTCCGA 185

Qy      2361 CGCCCTGTGGCCGAGCGCGCCCAGGACATCGGCATCTGGTTCCACATCCTGGCGGGCCTC 2420
        | || || || |  | ||| | ||||| ||||| | | ||||  ||| |
Db      186 AGGCCGGTAGCTGTCAGAGCCAAAGACATCGGAATCTGGTACAATATCCTCAGAGGCATT 245

Qy      2421 ACGCACCTGGCGGTTCATCAGCAACGCCTTCCTCCTGGCCTTCTCGTCCGACTTCCTGCCG 2480
        | | || || ||||| ||| ||||| |  | ||||| |||| ||||| | |||
Db      246 GGGAAGCTTGCTGTCATCATCAATGCCTTCGTGATCTCCTTCACGTCTGACTTCATCCCG 305

Qy      2481 CGCGCCTACTACCGGTGGACCCGCGCCCACGACCTGCGCGGCTTCCTCAACTTCACGCTG 2540
        |||  |||| | |  |  | || | |  | | | ||| |
Db      306 CGCCTGGTGTACCTCTACATGTACAGTAAGAACGGGACCATGCACGGCTTCGTCAACCAC 365

Qy      2541 GCGCGAGCCCCGTCCTCCTTCGCCGCCGCGCACAACCGCACG 2582
        | |  || | | |  ||  | |  || ||| |||||
Db      366 ACCCTCTCCTCCTTCAACGTCAGTGACTTCCAGAACGGGCACG 407
```

RESULT 13

US-10-741-601-19564/c

; Sequence 19564, Application US/10741601

; Patent No. 7306913

; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001500

; CURRENT APPLICATION NUMBER: US/10/741,601

; CURRENT FILING DATE: 2003-12-22

; NUMBER OF SEQ ID NOS: 26415

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 19564

; LENGTH: 201

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-741-601-19564

Query Match 3.9%; Score 128.6; DB 6; Length 201;  
Best Local Similarity 99.2%; Pred. No. 1.9e-17;  
Matches 128; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Qy      2848 AGCTCAGCTCCCACTGGACACCCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC 2907
          |||
Db      129 AGCTCAGCTCCCACTGGACACCCCTTCACRGTTCCCAAGGCCAGCCAGCTGCAGCAGTGAC 70

Qy      2908 GCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCCTCCTGAGCCCTGCGAGCAGC 2967
          |||
Db       69 GCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCCTCCTGAGCCCTGCGAGCAGC 10

Qy      2968 GTCCTTTTC 2976
          |||
Db       9  GTCCTTTTC 1
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RESULT 14

US-09-188-930-11

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; Sequence 11, Application US/09188930A
; Patent No. 6150502
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James Greg
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; TITLE OF INVENTION: and Methods For Their Use
; FILE REFERENCE: 11000.1011c1
; CURRENT APPLICATION NUMBER: US/09/188,930A
; CURRENT FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 348
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 11
;   LENGTH: 969
;   TYPE: DNA
;   ORGANISM: mouse
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US-09-188-930-11

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Query Match      3.8%;  Score 125;  DB 3;  Length 969;
Best Local Similarity  58.2%;  Pred. No. 1.7e-16;
Matches 259;  Conservative 0;  Mismatches 180;  Indels 6;  Gaps 2;
```

```
Qy      1839 ACCCAGACCAAGTTCGAGGACGCCTTCACCCTCAAGGTGTTTCATCTTCCAGTTCGTCAAC 1898
          || ||| | || |||| | ||| ||||| ||| | || |||| || |||
Db      523 ACAGAGAAGAGCTTTGAGGAGAGGCTAACCTTCAAGGCCTTCCTGCTCAAGTTTGTGAAC 582

Qy      1899 TTCTACTCCTCACCCGTCTACATTGCCTTCTTCAAGGGCAGGTTTGTGGGATACCCAGGC 1958
          | ||| | | | |||| | ||||| ||||| ||| ||||| || |||
Db      583 TCTTACACTCCCATCTTCTATGTCGCCTTCTTCAAAGGCCGTTTGTGTTGGTCGGCCCGGT 642

Qy      1959 AACTAC---CACACCTTGTTTGGAGTCCGCAATGAGGAGTGCGCGGCTGGAGGCTGCCTG 2015
          |||| | ||| ||| |||| | ||||| || | || |||||
Db      643 GACTACGTGTACATCTTCCGCTCTTCCGGATGGAGGAGTGTCGCCCGGGCGGCTGCCTC 702

Qy      2016 ATCGAGCTGGCACAGGAGCTCCTGGTCATCATGGTGGGCAAGCAGGTCATC---AACAAC 2072
          || |||| | ||| |||| ||| ||||| ||| ||| |||||
Db      703 ATGGAGCTCTGTATCCAGCTGAGCATCATTATGCTGGGCAAGCAGCTAATCCAGAACAAAT 762
```

Qy	2073	ATGCAGGAGGTCCTCATCCCGAAGCTAAAGGGCTGGTGGCAGAAGTTCCGGCTTCGCTCC	2132
Db	763	CTCTTCGAGATTGGCATCCCGAAGATGAAAAAGTTCATCCGCTACCTGAAGCTGCGCAGA	822
Qy	2133	AAGAAGAGGAAGGCGGGAGCTTCTGCAGGGGCTAGCCAGGGGGCCCTGGGAGGACGACTAT	2192
Db	823	CAGAGCCCCTCAGACCGTGAAGAGTACGTGAAGCGGAAGCAGCGCTATGAGGTGGACTTC	882
Qy	2193	GAGCTTGTGCCCTGTGAGGGTCTGTTTGACGAGTACCTGGAAATGGTGCTGCAGTTCGGC	2252
Db	883	AACCTCGAACCTTTCGCCGGCCTCACGCCCGAGTACATGGAAATGATCATTGAGTTCGGC	942
Qy	2253	TTCGTCACCATCTTCGTGGCCGCCT	2277
Db	943	TTTGTACCCCTGTTTGTGCGTCCT	967

RESULT 15

US-09-312-283C-11  
; Sequence 11, Application US/09312283C  
; Patent No. 6573095  
; GENERAL INFORMATION:  
; APPLICANT: Watson, James D.  
; APPLICANT: Strachan, Lorna  
; APPLICANT: Sleeman, Matthew  
; APPLICANT: Onrust, Rene  
; APPLICANT: Murison, James G.  
; APPLICANT: Kumble, Krishanand D.  
; TITLE OF INVENTION: Compositions Isolated from Skin Cells  
; TITLE OF INVENTION: and Methods for Their Use  
; FILE REFERENCE: 11000.1011c2  
; CURRENT APPLICATION NUMBER: US/09/312,283C  
; CURRENT FILING DATE: 1999-05-14  
; NUMBER OF SEQ ID NOS: 425  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 11  
; LENGTH: 969  
; TYPE: DNA  
; ORGANISM: Mouse  
US-09-312-283C-11

Query Match 3.8%; Score 125; DB 3; Length 969;  
Best Local Similarity 58.2%; Pred. No. 1.7e-16;  
Matches 259; Conservative 0; Mismatches 180; Indels 6; Gaps 2;

Qy	1839	ACCCAGACCAAGTTCGAGGACGCCTTCACCCTCAAGGTGTTTCATCTTCCAGTTCGTCAAC	1898
Db	523	ACAGAGAAGAGCTTTGAGGAGAGGCTAACCTTCAAGGCCTTCCTGCTCAAGTTTGTGAAC	582
Qy	1899	TTCTACTCCTCACCCGTCTACATTGCCTTCTTCAAGGGCAGGTTTGTGGGATACCCAGGC	1958
Db	583	TCTTACACTCCCATCTTCTATGTCGCCTTCTTCAAAGGCCGGTTTGTGTTGGTCGGCCCGGT	642
Qy	1959	AACTAC---CACACCTTGTTTGGAGTCCGCAATGAGGAGTGC GCGGCTGGAGGCTGCCTG	2015
Db	643	GACTACGTGTACATCTTCCGCTCTTTCGGATGGAGGAGTGTGCCCCGGGCGGCTGCCTC	702

Qy	2016	ATCGAGCTGGCACAGGAGCTCCTGGTCATCATGGTGGGCAAGCAGGTCATC---	AACAAC	2072
Db	703	ATGGAGCTCTGTATCCAGCTGAGCATCATTATGCTGGGCAAGCAGCTAATCCAGAACAAT		762
Qy	2073	ATGCAGGAGGTCCTCATCCCGAAGCTAAAGGGCTGGTGGCAGAAGTTCCGGCTTCGCTCC		2132
Db	763	CTCTTCGAGATTGGCATCCCGAAGATGAAAAAGTTTCATCCGCTACCTGAAGCTGCGCAGA		822
Qy	2133	AAGAAGAGGAAGGCGGGAGCTTCTGCAGGGGCTAGCCAGGGGCCCTGGGAGGACGACTAT		2192
Db	823	CAGAGCCCCTCAGACCGTGAAGAGTACGTGAAGCGGAAGCAGCGCTATGAGGTGGACTTC		882
Qy	2193	GAGCTTGTGCCCTGTGAGGGTCTGTTTGACGAGTACCTGGAAATGGTGCTGCAGTTCGGC		2252
Db	883	AACCTCGAACCTTTCGCCGGCCTCACGCCCAGTACATGGAAATGATCATTTCAGTTCGGC		942
Qy	2253	TTCGTCACCATCTTCGTGGCCGCCT		2277
Db	943	TTGTCACCCTGTTTGTTCGTCCT		967

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Job time : 1169 secs

SCORE : 0